

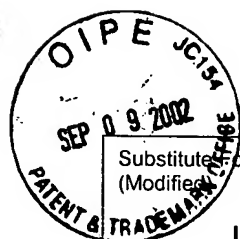
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13425-053001	Application No. 10/081,408
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Lars Abrahmsén et al.	
		Filing Date February 21, 2002	Group Art Unit 1645/652

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
YJ	AC	WO 96/04382	02/15/1996	PCT				
YJ	AD	0 412 841 A1	02/13/1991	EP				
	AE							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
YJ	AF	Blom et al., "Cleavage site analysis in picornaviral poyproteins: Discovering cellular targets by neural networks," PREOTEIN SCIENCE 5:2203-2216 (1996)
	AG	Boomsma, et al. "Plasma semicarbazide-sensitive amine oxidase is elevated in patients with congestive heart failure" <i>Cardiovasc. Res.</i> 33(2), 387-391 (1997).
	AH	Boomsma et al. "Circulating semicarbazide-sensitive amine oxidase is raised both in type I (insulin-dependent), in type II (non-insulin-dependent) diabetes mellitus and even in childhood type I diabetes at first clinical diagnosis" <i>Diabetologia</i> 42(2), 233-237 (1999).
	AI	Boor et al. "Allylamine cardiovascular toxicity" <i>Toxicology</i> 44(2), 129-145 (1987).
	AJ	Callingham et al. "Some aspects of the pathophysiology of semicarbazide-sensitive amine oxidase enzymes" <i>Prog. Brain Res.</i> 106, 305-321 (1995).
	AK	Carter, P. "Site-specific proteolysis of fusion proteins" In <i>Protein purification: From molecular mechanism to large-scale processes</i> (Am. Chem. Soc. Symp. Ser. No. 427) (Ladish, M. R., Willson, R. C., Panton, C. C., and Builder, S. E., eds), pp. 181-193, American Chemical Society Press (1990).
	AL	Castillo et al. "Semicarbazide-sensitive amine oxidase (SSAO) from human and bovine cerebrovascular tissues: biochemical and immunohistological characterization." <i>Neurochem. Int.</i> 33(5), 415-423 (1998).
	AM	Conklin et al. "Contribution of serum and cellular semicarbazide-sensitive amine oxidase to amine metabolism and cardiovascular toxicity" <i>Toxicol. Sci.</i> 46(2), 386-392 (1998).
	AN	Dwyer et al. "Expression and characterization of a DNase I-Fc fusion enzyme" <i>J. Biol. Chem.</i> 274(14), 9738-9743 (1999).
	AO	Eklblom, J. "Potential therapeutic value of drugs inhibiting semicarbazide-sensitive amine oxidase: vascular cytoprotection in diabetes mellitus" <i>Pharmacol. Res.</i> 37(2), 87-92 (1998).
YJ	AP	Gräslund et al. "Production of a thermostable DNA polymerase by site-specific cleavage of a heat-eluted affinity fusion protein" <i>Protein Expression Purif.</i> 9(1), 125-132 (1997).

Examiner Signature 	Date Considered 5.28.03
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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
13425-053001Application No.
10/081,408**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Lars Abrahmsén et al.Filing Date
February 21, 2002Group Art Unit
1645/1652

(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)

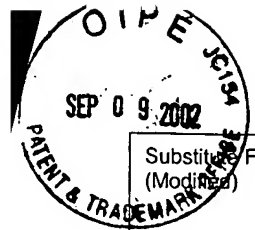
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Yp	AQ	Hartmann et al. "Amine-oxidizing quinoproteins" <i>Methods Enzymol.</i> 280, 98-150 (1997).
	AR	Hollenbaugh et al. "Recombinant globulins: novel research tools and possible pharmaceuticals" <i>Curr. Opin. Immunol.</i> 4(2), 216-219 (1992).
	AS	Holt et al., "A Continuous Spectrophotometric Assay for Monoamine Oxidase and Related Enzymes in Tissue Homogenates," <i>Analytical Biochemistry</i> 244, 384-392 (1997)
	AT	Holt et al. "Identification of the quinone cofactor in mammalian semicarbazide-sensitive amine oxidase" <i>Biochemistry</i> 37(14), 4946-4957 (1998).
	AU	Hooper et al. "Membrane protein secretases" <i>Biochem J.</i> 321(Pt 2), 265-279 (1997).
	AV	Imamura et al. "Human retina-specific amine oxidase: genomic structure of the gene (AOC2), alternatively spliced variant, and mRNA expression in retina" <i>Genomics</i> 51(2), 293-298 (1998).
	AW	Jaakkola et al. "Human vascular adhesion protein-1 in smooth muscle cells" <i>Am. J. Pathol.</i> 155(6), 1953-1965 (1999)
	AX	Kroeger Smith et al., "Molecular modeling studies of HIV-1 reverse transcriptase nonnucleoside inhibitors: Total energy of complexation as a predictor of drug placement and activity" <i>Protein Science</i> 4:2203-2222 (1995)
	AY	Kurkijärvi et al. "Circulating form of human vascular adhesion protein-1 (VAP-1): Increased serum levels in inflammatory liver diseases" <i>J. Immunol.</i> 161, 1549-1557 (1998).
	AZ	Larsson et al. "Mouse monoclonal antibodies for experimental immunotherapy promotes killing of tumor cells" <i>Int. J. Cancer</i> 42, 877-882 (1998).
	AAA	Lewinsohn "Mammalian monoamine-oxidizing enzymes, with special reference to benzylamine oxidase in human tissues" <i>Braz. J. Med. Biol. Res.</i> 17(3-4), 223-256 (1984).
	ABB	Liang et al. "Biomedical application of immobilized enzymes" <i>J. Pharm. Sci.</i> 89(8), 979-990 (2000).
	ACC	Lim et al. "Three-dimensional structure of Schistosoma japonicum glutathione S-transferase fused with a six-amino acid conserved neutralizing epitope of gp41 from HIV" <i>Protein Sci.</i> 3(12), 2233-2244 (1994)
	ADD	Linder et al. "Improved immobilization of fusion proteins via cellulose-binding domains" <i>Biotechnol. Bioeng.</i> 60(5), 642-647 (1998)
	AEE	Lo et al. "High level expression and secretion of Fc-X fusion proteins in mammalian cells" <i>Protein Eng.</i> 11(6), 495-500 (1998)
	AFF	Lyles "Mammalian plasma and tissue-bound semicarbazide-sensitive amine oxidases: biochemical, pharmacological and toxicological aspects" <i>Int. J. Biochem. Cell Biol.</i> 28(3), 259-274 (1996).
	AGG	Lyles et al. "Properties and functions of tissue-bound semicarbazide-sensitive amine oxidases in isolated cell preparations and cell cultures" <i>J. Neural. Transm. Suppl.</i> 52, 239-250 (1998).
	AHH	Meszaros et al. "Determination of human serum semicarbazide-sensitive amine oxidase activity: a possible clinical marker of atherosclerosis" <i>Eur. J. Drug Metab. Pharmacokinet.</i> 24(4), 299-302 (1999).
	AII	Miyashita et al. "Cleavage specificity of coxsackievirus 3C proteinase for peptide substrate" <i>Biosci. Biotechnol. Biochem.</i> 60(4), 705-707 (1996).
Yp	AJJ	Morris et al., "Membrane amine Oxidase Cloning and Identification as a Major Protein in the Adipocyte Plasma Membrane," <i>J. OF BIOLOGICAL CHEMISTRY</i> , 272(14):9388-9392 (April 4, 1997)

Examiner Signature

Date Considered

5-22-03

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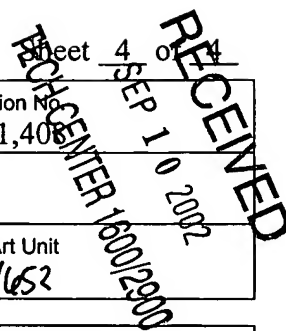
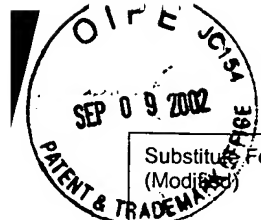


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		Filing Date February 21, 2002	Group Art Unit 1645/1652

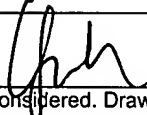
Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
yo	AKK	Müller et al. "Protein fusions to coiled-coil domains" <i>Methods Enzymol.</i> 328, 261-282 (2000).
	ALL	Nakos et al. "Light microscopic visualization of semicarbazide-sensitive amine oxidase (benzylamine oxidase) using a cerium method" <i>Folia Histochem. Cytobiol.</i> 32(1), 3-10 (1994).
	AMM	Nilsson, "Affinity Fusion Strategies for Detection, Purification, and Immobilization of Recombinant Proteins," <i>PROTEIN EXPRESSION AND PURIFICATION</i> , 11:1-16 (1997)
	ANN	Nilsson et al. "Multiple affinity domains for the detection, purification and immobilization of recombinant proteins" <i>J. Mol. Recognit.</i> 9(5-6), 585-594 (1996).
	AOO	Nord et al. "Binding proteins selected from combinatorial libraries of an alpha-helical bacterial receptor domain". <i>Nat. Biotechnol.</i> 15(8), 772-777 (1997).
	APP	Nygren et al. "Scaffolds for engineering novel binding sites in proteins" <i>Curr. Opin. Struct. Biol.</i> 7(4), 463-469 (1997).
	AQQ	Rieker et al. "Molecular applications of fusions to leucine zippers" <i>Methods Enzymol.</i> 328, 282-296 (1997).
	ARR	Sakurai et al. "Purification of Ig-fusion proteins from medium containing Ig" <i>Biotechniques</i> 25(3), 382-385 (1998).
	ASS	Saleemuddin "Bioaffinity based immobilization of enzymes" <i>Adv. Biochem. Eng. Biotechnol.</i> 64, 203-226 (1999).
	ATT	Salminen et al. "Structural model of the catalytic domain of an enzyme with cell adhesion activity: human vascular adhesion protein-1 (HVAP-1) D4 domain is an amine oxidase" <i>Protein Eng.</i> 11(12), 1195-204 (1998).
	AUU	Scopes, "Protein purification, principles and practice," 3 rd Edition, Springer-VEROL, Chapter 9.1, 270-277 (1994)
	AVV	Sheibani "Prokaryotic gene fusion expression systems and their use in structural and functional studies of proteins" <i>Prep. Biochem. & Biotechnol.</i> 29, 77-90 (1999).
	AWW	Shpigel et al. Immobilization of recombinant heparinase I fused to cellulose-binding domain" <i>Biotechnol. Bioeng.</i> 65(1), 17-23 (1999).
	AXX	Skerra, A. "Engineered protein scaffolds for molecular recognition" <i>J. Mol. Recognit.</i> 13(4), 167-187 (2000).
	AYY	Smith et al. "Cloning of vascular adhesion protein 1 reveals a novel multifunctional adhesion molecule" <i>J. Exp. Med.</i> 188, 17-27 (1998).
	AZZ	Smith et al. "Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase" <i>Gene</i> 67, 31-40 (1988).
yo	AAAA	Tischer et al. "Immobilized enzymes: crystals or carriers?" <i>Trends Biotechnol.</i> 17(8), 326-335 (1999).
	ABBB	Tomme et al. "Characterization and affinity applications of cellulose-binding domains" <i>J. Chromatogr. B Biomed. Sci. Appl.</i> 715(1), 283-296 (1998)
	ACCC	Tudyka et al., "Glutathione S-transferase can be used as a C-terminal, enzymatically active dimerization module for a recombinant protease inhibitor, and functionally secreted into the periplasm of <i>Escherichia coli</i> ," <i>PROTEIN SCIENCE</i> , 6:2180-2187 (1997)
	ADDD	Turkova "Oriented immobilization of biologically active proteins as a tool for revealing protein interactions and function" <i>J. Chromatogr. B Biomed. Sci. Appl.</i> 722(1-2), 11-31 (1999)
	AEEE	Uhlén, "Fusion proteins in Biotechnology" <i>Curr. Opin. Biotechnol.</i> 3, 363-369 (1992)

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ym	AFFF	Walker et al., "Efficient and Rapid Affinity Purification of Proteins Using Recombinant Fusion Proteases," <i>BIOTECHNOLOGY</i> , 12:601-605 (June 1994)
ym	AGGG	Wang et al. "A continuous colorimetric assay for rhinovirus-14 3C protease using peptide p-nitroanilides as substrates" <i>Anal. Biochem.</i> 252(2), 238-245 (1997).
ym	AHHH	Wimmerova et al. "Sensitive amperometric biosensor for the determination of biogenic and synthetic amines using pea seedlings amine oxidase: a novel approach for enzyme immobilization" <i>Biosens. Bioelectron.</i> 14(8-9), 695-702 (1999).
ym	AIII	Yu et al. "Characterization of human serum and umbilical artery semicarbazide-sensitive amine oxidase (SSAO). Species heterogeneity and stereoisomeric specificity" <i>Biochem. Pharmacol.</i> 47(6), 1055-1059 (1994)
ym	AJJJ	Yu et al. "Oxidative deamination of methylamine by semicarbazide-sensitive amine oxidase leads to cytotoxic damage in endothelial cells. Possible consequences for diabetes": <i>Diabetes</i> 42(4), 594-603 (1993).
ym	AKKK	Zhang et al., Accession No. U39447 (January 8, 1997)
ym	ALLL	Zhang et al. "cDNA sequences of variant forms of human placenta diamine oxidase." <i>Biochem. Genet.</i> 33(7-8), 261-268 (1995)
ym	AMMM	Zhang et al. "Cloning and sequencing of a copper-containing, topa quinone-containing monoamine oxidase from human placenta" <i>Gene</i> 179, 279-286. (1996)

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